

WHAT IS CLAIMED IS:

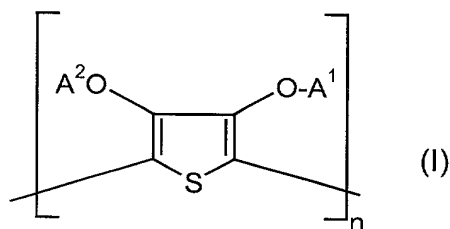
1. A layer arrangement comprising:
 (a) at least one transparent substrate having an electrically
 conductive layer,
 5 (b) an electro-optically active layer, and
 (c) an additional substrate having an electrically conductive
 layer, wherein at least one of the two electrically conductive substrates is
 coated with an organic conductive polymer system.

2. The layer arrangement according to Claim 1, wherein the
 10 transparent conductive layer on the substrates comprises a metal, a metal
 oxide, or mixed oxides.

3. The layer arrangement according to Claim 2, wherein the
 metal, metal oxide or mixed oxides is or are doped.

4. The layer arrangement according to Claim 1, wherein the
 15 organic conductive polymer system is a polyaniline, polypyrrole or
 polythiophene system.

5. The layer arrangement according to Claim 4, wherein the
 organic conductive polymer system is a cationically charged polythiophene
 comprising structural units of the formula (I)



wherein

25 A^1 and A^2 , independently of one another, are optionally substituted
 (C₁-C₁₈)-alkyl or together form optionally substituted (C₁-C₁₈)-alkylene,
 and

n is an integer from 2 to 10,000,
in the presence of anions or polyanions.

6. The layer arrangement according to Claim 1, wherein the transparent substrate comprises glass or a plastic.

5 7. The layer arrangement according to Claim 6, wherein the plastic is polycarbonate or copolycarbonate, polyester, polysulfone, polyether sulfone, polyimide, polypropylene, polyethylene or a cyclic olefin copolymer or hydrogenated styrene (co)polymer.

10 8. The layer arrangement according to Claim 1, wherein at least one of the two substrates is a plastic substrate.

9. The layer arrangement according to Claim 8, wherein the plastic is polycarbonate or copolycarbonate, polyester, polysulfone, polyether sulfone, polyimide, polypropylene, polyethylene or a cyclic olefin copolymer or hydrogenated styrene (co)polymer.

15 10. The layer arrangement according to Claim 8, wherein the plastic substrate is provided with a scratch-resistant and/or chemical-resistant finish.

11. The layer arrangement according to Claim 1, wherein the electro-optically active layer is a liquid-crystal layer.

20 12. The layer arrangement according to Claim 1, wherein the arrangement is encapsulated.